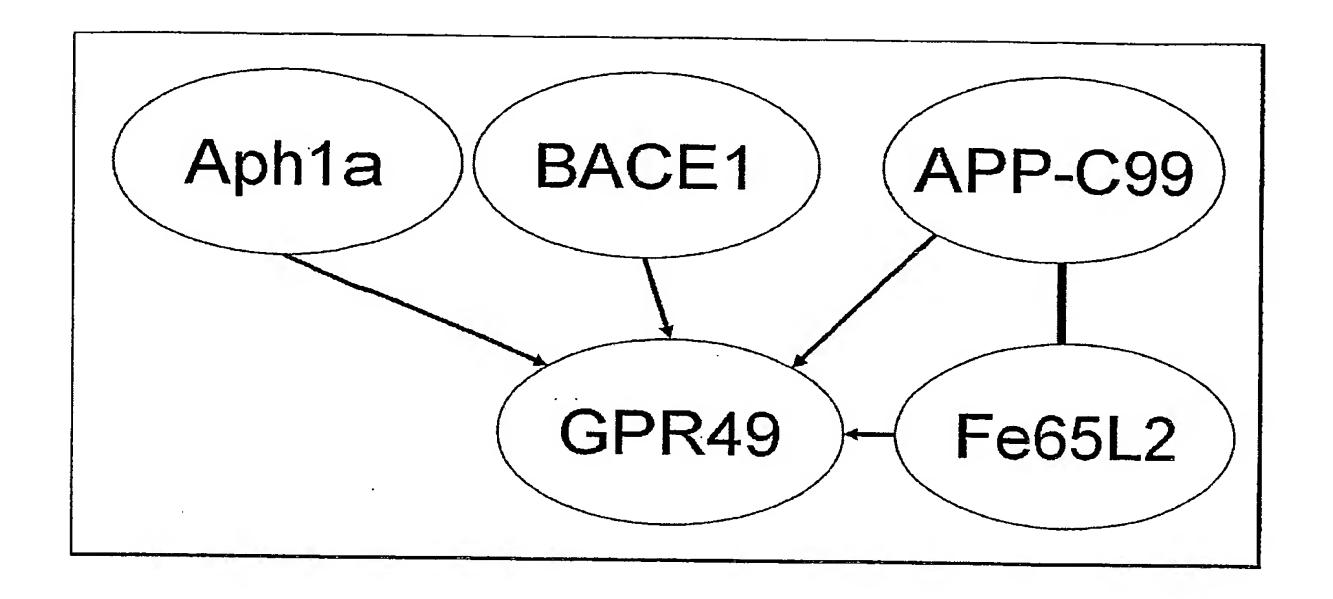
Fig. 1



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Fig. 2

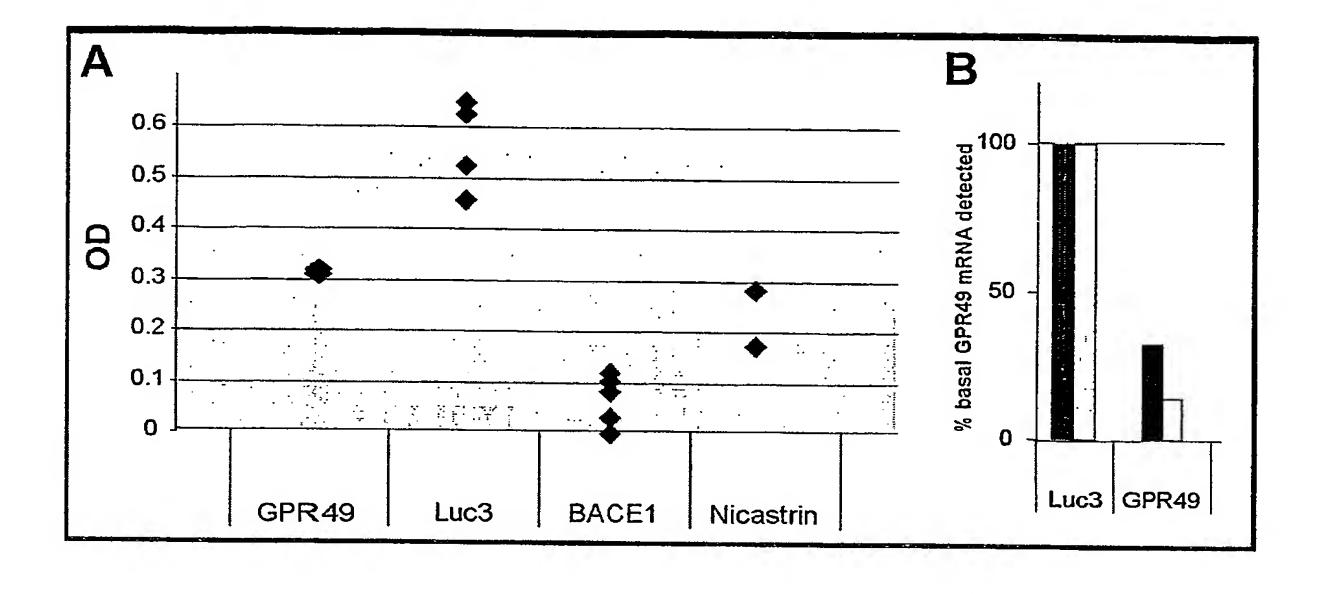


Fig. 3

	MDTSRLGVLL	SLPVLLQLAT	GGSSPRSGVL	LRGCPTHCHC	EPDGRMLLRV
	DCSDLGLSEL	PSNLSVFTSY	LDLSMNNISQ	LLPNPLPSLR	FLEELRLAGN
5	ALTYIPKGAF	TGLYSLKVLM	LQNNQLRHVP	TEALQNLRSL	QSLRLDANHI
	SYVPPSCFSG	LHSLRHLWLD	DNALTEIPVQ	AFRSLSALQA	MTLALNKIHH
	IPDYAFGNLS	SLVVLHLHNN	RIHSLGKKCF	DGLHSLETLD	LNYNNLDEFP
	TAIRTLSNLK	ELGFHSNNIR	SIPEKAFVGN	PSLITIHFYD	NPIQFVGRSA
10	FQHLPELRTL	TLNGASQITE	FPDLTGTANL	ESLTLTGAQI	SSLPQTVCNQ
	LPNLQVLDLS	YNLLEDLPSF	SVCQKLQKID	LRHNEIYEIK	VDTFQQLLSL
	RSLNLAWNKI	AIIHPNAFST	LPSLIKLDLS	SNLLSSFPIT	GLHGLTHLKL
	TGNHALQSLI	SSENFPELKV	IEMPYAYQCC	AFGVCENAYK	ISNQWNKGDN
	SSMDDLHKKD	AGMFQAQDER	DLEDFLLDFE	EDLKALHSVQ	CSPSPGPFKP
	CEHLLDGWLI	RIGVWTIAVL	ALTCNALVTS	TVFRSPLYIS	PIKLLIGVIA
15	AVNMLTGVSS	AVLAGVDAFT	FGSFARHGAW	WENGVGCHVI	GFLSIFASES
	SVFLLTLAAL	ERGFSVKYSA	KFETKAPFSS	LKVIILLCAL	LALTMAAVPL
	LGGSKYGASP	LCLPLPFGEP	STMGYMVALI	LLNSLCFLMM	TIAYTKLYCN
	LDKGDLENIW	DCSMVKHIAL	LLFTNCILNC	PVAFLSFSSL	INLTFISPEV
	IKFILLVVVP	LPACLNPLLY	ILFNPHFKED	LVSLRKQTYV	WTRSKHPSLM
20	SINSDDVEKQ	SCDSTQALVT	FTSSSITYDL	PPSSVPSPAY	PVTESCHLSS
	VAFVPCL				

Fig. 4 (1/2)

	LGR5	MDTSRLGVLLSLPVLLQLATGGSSPRSGVLLRGCPTHCHCEPDGRMLLRVDCSDLGLSELPSNLSVFTSYLDLSMNNISQ
	LGR6	
5	LGR4	MPGPLGLLCFLALGLLGSAGPSGAAPPLCAAPCSCDGDRRVDCSGKGLTAVPEGLSAFTQALDISMNNITQ
	Consensus/80%	b.L.h.Gpts.tGsss.pps.sc
10	LGR5	LLPNPLPSLRFLEELRLAGNÆLTYIPKGAFTGLYSLKVLMLQNNQLRHVPTEALQNLRSLQSLRLDANHISYVPPSCFSG
	LGR6	LQPGLFHHLRFLEELRLSGNHLSHIPGQAFSGLYSLKILMLQNNQLGGIPAEALWELPSLQSL
	LGR4	LPEDAFKNFPFLEELQLAGNDLSFIHPKALSGLKELKVLTLQNNQLKTVPSEAIRGLSALQSLRLDANHITSVPEDSFEG
	Consensus/80%	Ls.b.pb.FLEELpLtGN.L*aIAb*GLbpLK1LhLQNNQL.h1PsEAlb.L.tLQSL
	LGR5	LHSLRHLWLDDNALTEIPVQAFRSLSALQAMTLALNKIHHIPDYAFGNLSSLVVLHLHNNRIHSLGKKCFDGLHSLETLD
	LGR6	D
15	LGR4	LVQLRHLWLDDNSLTEVPVHPLSNLPTLQALTLALNKISSIPDFAFTNLSSLVVLHLHNNKIRSLSQHCFDGLDNLETLD
	Consensus/80%	
	LGR5	LNYNNLDEFPTAIRTLSNLKE LGFHSNNIRSIPEKAFVGNPSLITIHFYDNPIQFVGRSAFQHLPELRTLTLNGASQITE
	LGR6	LNYNKLQEFPVAIRTLGRLQE LGFHNNNIKAIPEKAFMGNPLLQTIHFYDNPIQFVGRSAFQYLPKLHTLSLNGAMDIQE
20	LGR4	LNYNNLGEFPQAIKALPSLKE LGFHSNSISVIPDGAFDGNPLLRTIHLYDNPLSFVGNSAFHNLSDLHSLVIRGASMVQQ
	Consensus/80%	LNYNpL.EFP.AI+sLspLpELGFHsNsIpsIPAF.GNP.LbTIHbYDNPlpFVGpSAFp.LscL+*LslpGAlpp
	LGR5	FPDLTGTANLESLTLTGAQISSLPQTVCNQLPNLQVLDLSYNLLEDLPSFSVCQKLQKIDLRHNEIYEIKVDTFQQLLSL
0.5	LGR6	FPDLKGTTSLEILTLTRAGIR LLPSGMCQQLPRLRVLELSHNQIEELPSLHRCQKLEEIGLQHNRIWEIGADTFSQLSSL
25	LGR4	FPNLTGTVHLESLTLTGTKISSIPNNLCQEQKMLRTLDLSYNNIRDLPSFNGCHALEEISLQRNQIYQIKEGTFQGLISL
	Consensus/80%	FPsLpGTspLE.LTLT.s.Ip.lPpshCppbLpsL-LSaN.lc-LPSbp.Cp.LpcIsLp+NpIapIsTFp.L.SL
	LGR5	RSLNLAWNKIAIIHPNAFSTL PSLIKLDLSSNLLSSFPITGLHGLTHLKLTGNHALQSLISSENFPELKVIEMPYAYQCC
2.0	LGR6	QALDLSWNAIRSIHPEAFSTL.HSLVKLDLTDNQLTTLPLAGLGGLMHLKLKGNLALSQAFSKDSFPKLRILEVPYAYQCC
30	LGR4	RILDLSRNLIHEIHSRAFATL.GPITNLDVSFNELTSFPTEGLNGLNQLKLVGNFKLKEALAAKDFVNLRSLSVPYAYQCC
	Consensus/80%	p.LsLtbN.IIHspAFtTL.slhpLDl*.NbL**bPh.GL.GL.pLKL.GNb.Lpphbt.csFspL+.lphPYAYQCC
	LGR5	AFGVCENAYKISNQWNKGDNSSMDD-LHKKDAGMFQAQDERDLEDFLLDFEEDLKALHSVQCSPSPGPFKPCEHLL
	LGR6	PYGMCASFFKASGQWEAEDLHILDDEESSKRPLGLLARQAENHYDQDLDELQLEMEDS-KPHPSVQCSPTPGPFKPCEYLF
35	LGR4	AFWGCDSYANLNTEDNSLQDHSVAQEKGKCMSTADAANVTSTLENEEHSQIIIHCTPSTGAFKPCEYLL
	Consensus/80%	sahhC.shhphsD.pDcpc.h.hbsphpbEpp.+sblpC*P*sGsFKPCEaLb
40	LGR5	DGWLIRIGVWTIAVLALTCNALVTSTVFR-SPLYISPIKLLIGVIAAVNMLTGVSSAVLAGVDAFTFGSFARHGAWWENG
	LGR6	ESWGIRLAVWAIVLLSVLCNGLVLLTVFAGGPVPLPPVKFVVGAIAGANTLTGISCGLLASVDALTFGQFSEYGARWETG
	LGR4	GSWMIRLTVWFIFLVALFFNLLVILTTFA-SCTSLPSSKLFIGLISVSNLFMGIYTGILTFLDAVSWGRFAEFGIWWETG
	Consensus/80%	.tWhIRlsVWhIhlltlhhNhLVh.TsFtsh.lss.KbhlGhItssNhbhGl.stlLs.lDAh*aGpFtcaGhbWEsG

continued as Fig. 4 (2/2)

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Fig. 4 (2/2)

continued from Fig. 4 (1/2)

5		
	LGR5	VGCHVIGFLSIFASESSVFLLTLAALERGFSVKYSAKFETKAPFSSLKVIILLCALLALTMAAVPLLGGSKYGASPLCLP
	LGR6	LGCRATGFLAVLGSEASVLLLTLAAVQCSVSVSCVRAYGKSPSLGSVRAGVLGCLALAGLAAALPLASVGEYGASPLCLP
	LGR4	SGCKVAGFLAVFSSESAIFLLMLATVERSLSAKDIMKNGKSNHLKQFRVAALLAFLGATVAGCFPLFHRGEYSASPLCLP
	Consensus/80%	.GC+shGFLtlbtSEttlbLLhLAslppthSsppps.b.ph+shhLhshhhAhhhtshPLhtcYtASPLCLP
10		
	LGR5	LPFGEPSTMGYMVALILLNSLCFLMMTIAYTKLYCNLDKGDLENIWDCSMVKHIALLLFTNCILNCPVAFLSFSSLIN
	LGR6	YAPPEGQPAALGFTVALVMMNSFCFLVVAGAYIKLYCDLPRGDFEAVWDCAMVRHVAWLIFADGLLYCPVAFLSFASMLG
	LGR4	FPTGETPSLGFTVTLVLLNSLAFLLMAVIYTKLYCNLEKEDLSENSQSSMIKHVAWLIFTNCIFFCPVAFFSFAPLIT
	Consensus/80%	P.GpsssbGahVsLlbbNSbsFLhhshhYhKLYCsL.+.DbppstMl+HlAbLlFssslb.CPVAFbSFtsbls
15		·
	LGR5	LTFISPEVIKFILLVVVPLPACLNFLLYILFNPHFKEDLVSLRKQTYVWTRSKHPSLMSINSDDVEKQSCDSTQ
	LGR6	LFPVTPEAVKSVLLVVLPLPACLNPLLYLLFNPHFRDDLRRLRPRAGDSGPLAYAAAGELEKSSCDSTQ
	LGR4	AISISPEIMKSVTLIFFPLPACLNPVLYVFFNPKFKEDWKLLKRRVTKKSGSVSVSISSQGGCLEQDFYYDCGMYSHLQG
	Consensus/80%	hh.l*PEhhK.lhLlhhPLPACLNP1LYlbFNP+F+-DbL+.pt.psslstspchDsp.
20		
	LGR5	ALVTFTSSSITYDLPPSSVPSPAYPVTESCHLS
	LGR6	ALVAFSDVDLILEASEAGRPPGLETYGFPSVTLISCQQPGAPRLEGSHCVEPEGNHFGNPQPSMDGELLLRAEGSTPAGG
	LGR4	NLTVCDCCESFLLTKPVSCKHLIKSHSCPALAVASCQRPEGYWSDCGTQSAHSDYADEEDSFVSDSSDQVQACGRACFYQ
	Consensus/80%	sLsshsssp.hb.hsSs.pP.hssp.s
25		
	LGR5	SVAFVPCL
	LGR6	GLSGGGFQPSGLAFASHV
	LGR4	SRGFPLVRYAYNLPRVKD-
	Consensus/80%	slsbs.p.
30		

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